

DATA-RETRIEVAL PROCESSOR UNIT FOR EXTENDED- SPECTRUM MULTIPLE-STATION COMMUNICATION SYSTEM

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Inventor(s): ISTON KENNETH D [US]; LEVIN DZHEFFRI A [US]

Applicant(s): QUALCOMM INC [US]

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Abstract of RU 2149509 (C1)

FIELD: cellular telephone communications. **SUBSTANCE:** integral data- retrieval processor unit incorporated in modem for extended-spectrum communication system serves to spool retrieved data received and uses time-sliced conversion processor handling serial shifts from buffer. Data- retrieval processor unit performs off-line step-by-step retrieval configured by set of retrieval parameters determined by microprocessor which may include group of antennas to be retrieved, initial shift and width of page window to be found, as well as number of Walsh symbols for acquiring results of each shift. Data-retrieval processor unit computes correlation energy at each shift and submits summary report on most optimal paths detected during retrieval meant for reusing demodulating item.; This measure reduces load related to retrieval process on microprocessor and also modem losses due to the fact that entire modem circuit of channel component can be formed on single integrated circuit. **EFFECT:** reduced time of data retrieval. 35 cl, 15 dwg

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